

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 2 | ("20040041029").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/25 16:01 |
| L2 | 1 | 1 and (internet or network or IP or LAN or WAN) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/25 16:02 |
| S1 | 1 | "6157966".pn. | USPAT | OR | ON | 2004/10/28 18:08 |
| S2 | 544 | (asynchronous and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2))) and packet\$2 | USPAT | OR | ON | 2003/02/22 13:45 |
| S3 | 407 | (asynchronous and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2))) and poll\$3 | USPAT | OR | ON | 2004/04/05 15:21 |
| S4 | 213 | ((asynchronous and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2))) and packet\$2) and ((asynchronous and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2))) and poll\$3) | USPAT | OR | ON | 2003/02/22 13:24 |
| S5 | 19 | ("4674043" "4937863" "5023907" "5537314" "5579222" "5615312" "5710887" "5740549" "5745681" "5752238" "5765142" "5799151" "5819092" "5826242" "5848396" "5873069" "5890137" "6014638" "6236990").PN. | USPAT | OR | OFF | 2003/02/22 13:29 |
| S6 | 1430 | asynchronous and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2) or (portable near storage)) | USPAT | OR | ON | 2003/02/22 13:42 |
| S7 | 546 | (asynchronous and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2))) and (packet\$2 or datagram\$2) | USPAT | OR | ON | 2003/02/22 13:45 |
| S8 | 544 | ((asynchronous and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2))) and packet\$2) and ((asynchronous and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2))) and (packet\$2 or datagram\$2)) | USPAT | OR | ON | 2003/09/10 09:36 |

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|-----|-----|---|---|----|-----|------------------|
| S9 | 4 | ("5568478" "5610905" "6032190" "6101187").PN. | USPAT | OR | OFF | 2003/02/22 13:56 |
| S10 | 517 | asynchronous and ((smart near card\$2) or (IC near card\$2)) | USPAT | OR | ON | 2003/02/22 15:23 |
| S11 | 62 | (asynchronous and ((smart near card\$2) or (IC near card\$2))) and packet and (poll or polling) | USPAT | OR | ON | 2003/02/22 14:22 |
| S12 | 136 | (half near duplex) and ((smart near card\$2) or (IC near card\$2)) | USPAT | OR | ON | 2003/02/22 15:34 |
| S13 | 62 | ((half near duplex) and ((smart near card\$2) or (IC near card\$2))) and asynchronous | USPAT | OR | ON | 2003/02/22 15:23 |
| S14 | 6 | ((half near duplex) and ((smart near card\$2) or (IC near card\$2))) and asynchronous) and ((asynchronous and ((smart near card\$2) or (IC near card\$2))) and packet and (poll or polling)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/22 15:30 |
| S15 | 72 | ("3977785" "4168396" "4256955" "4278837" "4465901" "4562306" "4598810" "4634807" "4650975" "4688169" "4725079" "4748561" "4777355" "4797543" "4877947" "4890319" "4890321" "4926480" "4937740" "5064999" "5068894" "5123045" "5126541" "5149945" "5195130" "5247164" "5247575" "5375240" "5386369" "5406064" "5406380" "5412191" "5420405" "5440631" "5444779" "5448045" "5461217" "5500517" "5509070" "5530520" "5532920" "5537474" "5544086" "5550919" "5590197" "5602743" "5604802" "5613012" "5613159" "5650761" "5689565" "5692132" "5734150" "5742756" "5761306" "5768419" "5811771" "5815657" "5822517" "5841866" "5844218" "5844497" "5852290" "5887266" "5889941" "5892902" "5901303" "5915226" "5923884" "5937068" "6003014" "6006303").PN. | USPAT | OR | OFF | 2003/02/22 15:28 |

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|-----|---|--|---|----|-----|------------------|
| S16 | 1 | ((("3977785" "4168396" "4256955" "4278837" "4465901" "4562306" "4598810" "4634807" "4650975" "4688169" "4725079" "4748561" "4777355" "4797543" "4877947" "4890319" "4890321" "4926480" "4937740" "5064999" "5068894" "5123045" "5126541" "5149945" "5195130" "5247164" "5247575" "5375240" "5386369" "5406064" "5406380" "5412191" "5420405" "5440631" "5444779" "5448045" "5461217" "5500517" "5509070" "5530520" "5532920" "5537474" "5544086" "5550919" "5590197" "5602743" "5604802" "5613012" "5613159" "5650761" "5689565" "5692132" "5734150" "5742756" "5761306" "5768419" "5811771" "5815657" "5822517" "5841866" "5844218" "5844497" "5852290" "5887266" "5889941" "5892902" "5901303" "5915226" "5923884" "5937068" "6003014" "6006303").PN.) and ((half near duplex) and ((smart near card\$2) or (IC near card\$2))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/22 15:37 |
|-----|---|--|---|----|-----|------------------|

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|-----|---|---|-------|----|----|------------------|
| S17 | 2 | (("3977785" "4168396" "4256955" "4278837" "4465901" "4562306" "4598810" "4634807" "4650975" "4688169" "4725079" "4748561" "4777355" "4797543" "4877947" "4890319" "4890321" "4926480" "4937740" "5064999" "5068894" "5123045" "5126541" "5149945" "5195130" "5247164" "5247575" "5375240" "5386369" "5406064" "5406380" "5412191" "5420405" "5440631" "5444779" "5448045" "5461217" "5500517" "5509070" "5530520" "5532920" "5537474" "5544086" "5550919" "5590197" "5602743" "5604802" "5613012" "5613159" "5650761" "5689565" "5692132" "5734150" "5742756" "5761306" "5768419" "5811771" "5815657" "5822517" "5841866" "5844218" "5844497" "5852290" "5887266" "5889941" "5892902" "5901303" "5915226" "5923884" "5937068" "6003014" "6006303").PN.) and (((half or full) near duplex) and ((smart near card\$2) or (IC near card\$2))) | USPAT | OR | ON | 2003/02/22 15:39 |
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|-----|----|--|---|----|----|------------------|
| S18 | 25 | (("3977785" "4168396" "4256955" "4278837" "4465901" "4562306" "4598810" "4634807" "4650975" "4688169" "4725079" "4748561" "4777355" "4797543" "4877947" "4890319" "4890321" "4926480" "4937740" "5064999" "5068894" "5123045" "5126541" "5149945" "5195130" "5247164" "5247575" "5375240" "5386369" "5406064" "5406380" "5412191" "5420405" "5440631" "5444779" "5448045" "5461217" "5500517" "5509070" "5530520" "5532920" "5537474" "5544086" "5550919" "5590197" "5602743" "5604802" "5613012" "5613159" "5650761" "5689565" "5692132" "5734150" "5742756" "5761306" "5768419" "5811771" "5815657" "5822517" "5841866" "5844218" "5844497" "5852290" "5887266" "5889941" "5892902" "5901303" "5915226" "5923884" "5937068" "6003014" "6006303").PN.) and (poll or polling or wait or waiting) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/22 15:38 |
|-----|----|--|---|----|----|------------------|

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|-----|-----|---|---|----|-----|------------------|
| S19 | 1 | ((("3977785" "4168396" "4256955" "4278837" "4465901" "4562306" "4598810" "4634807" "4650975" "4688169" "4725079" "4748561" "4777355" "4797543" "4877947" "4890319" "4890321" "4926480" "4937740" "5064999" "5068894" "5123045" "5126541" "5149945" "5195130" "5247164" "5247575" "5375240" "5386369" "5406064" "5406380" "5412191" "5420405" "5440631" "5444779" "5448045" "5461217" "5500517" "5509070" "5530520" "5532920" "5537474" "5544086" "5550919" "5590197" "5602743" "5604802" "5613012" "5613159" "5650761" "5689565" "5692132" "5734150" "5742756" "5761306" "5768419" "5811771" "5815657" "5822517" "5841866" "5844218" "5844497" "5852290" "5887266" "5889941" "5892902" "5901303" "5915226" "5923884" "5937068" "6003014" "6006303").PN.) and (poll or polling or wait or waiting)) and (half near duplex) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/22 17:32 |
| S20 | 108 | (poll or polling or wait or waiting) and (((half or full) near duplex) and ((smart near card\$2) or (IC near card\$2)))) | USPAT | OR | ON | 2003/02/22 17:31 |
| S21 | 0 | "6157966".URPN. | USPAT | OR | OFF | 2003/02/22 15:40 |
| S22 | 57 | ((poll or polling or wait or waiting) and (((half or full) near duplex) and ((smart near card\$2) or (IC near card\$2)))) and @ad<"19970630" | USPAT | OR | ON | 2003/02/22 15:50 |
| S23 | 198 | (poll or polling or wait or waiting) with ((smart near card\$2) or (IC near card\$2)) | USPAT | OR | ON | 2003/02/22 17:48 |
| S24 | 2 | ((poll or polling or wait or waiting) with ((smart near card\$2) or (IC near card\$2))) and (half near duplex) and asynchronous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/22 17:32 |
| S25 | 2 | ((poll or polling or wait or waiting) with ((smart near card\$2) or (IC near card\$2))) and (half near duplex) and asynchronous | USPAT | OR | ON | 2003/02/22 17:34 |

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|-----|----|---|-------|----|-----|------------------|
| S26 | 22 | ((poll or polling or wait or waiting) with ((smart near card\$2) or (IC near card\$2))) and asynchronous | USPAT | OR | ON | 2003/02/22 17:37 |
| S27 | 10 | (master and slave) with ((smart near card\$2) or (IC near card\$2)) | USPAT | OR | ON | 2003/02/22 17:59 |
| S28 | 6 | ("5432941" "5613123" "5675793" "5781797" "6141705" "6233624").PN. | USPAT | OR | OFF | 2003/02/22 17:49 |
| S29 | 4 | (master near3 slave) with ((smart near card\$2) or (IC near card\$2)) | USPAT | OR | ON | 2003/02/22 17:59 |
| S30 | 19 | (master near3 slave) with ((smart or IC or memory or portable) near card) | USPAT | OR | ON | 2004/09/21 11:27 |
| S31 | 24 | (US-6427063-\$ or US-6424949-\$ or US-6418324-\$ or US-6377935-\$ or US-6364769-\$ or US-6334108-\$ or US-6480748-\$ or US-6298370-\$ or US-5852290-\$ or US-6105119-\$ or US-6144848-\$ or US-6112273-\$ or US-6065679-\$ or US-5933812-\$ or US-5815506-\$ or US-5799171-\$ or US-5790885-\$ or US-5682027-\$ or US-5287266-\$ or US-5164985-\$ or US-4939353-\$ or US-6398648-\$ or US-5761309-\$ or US-4977335-\$). did. | USPAT | OR | OFF | 2003/02/22 19:24 |
| S32 | 20 | ((US-6427063-\$ or US-6424949-\$ or US-6418324-\$ or US-6377935-\$ or US-6364769-\$ or US-6334108-\$ or US-6480748-\$ or US-6298370-\$ or US-5852290-\$ or US-6105119-\$ or US-6144848-\$ or US-6112273-\$ or US-6065679-\$ or US-5933812-\$ or US-5815506-\$ or US-5799171-\$ or US-5790885-\$ or US-5682027-\$ or US-5287266-\$ or US-5164985-\$ or US-4939353-\$ or US-6398648-\$ or US-5761309-\$ or US-4977335-\$). did.) and (poll or polling or wait or waiting) | USPAT | OR | OFF | 2003/02/22 19:25 |

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|-----|------|--|-------|----|-----|------------------|
| S33 | 22 | ((US-6427063-\$ or US-6424949-\$ or US-6418324-\$ or US-6377935-\$ or US-6364769-\$ or US-6334108-\$ or US-6480748-\$ or US-6298370-\$ or US-5852290-\$ or US-6105119-\$ or US-6144848-\$ or US-6112273-\$ or US-6065679-\$ or US-5933812-\$ or US-5815506-\$ or US-5799171-\$ or US-5790885-\$ or US-5682027-\$ or US-5287266-\$ or US-5164985-\$ or US-4939353-\$ or US-6398648-\$ or US-5761309-\$ or US-4977335-\$). did.) and (poll or polling or wait or waiting) | USPAT | OR | ON | 2003/02/22 19:29 |
| S34 | 22 | ((((US-6427063-\$ or US-6424949-\$ or US-6418324-\$ or US-6377935-\$ or US-6364769-\$ or US-6334108-\$ or US-6480748-\$ or US-6298370-\$ or US-5852290-\$ or US-6105119-\$ or US-6144848-\$ or US-6112273-\$ or US-6065679-\$ or US-5933812-\$ or US-5815506-\$ or US-5799171-\$ or US-5790885-\$ or US-5682027-\$ or US-5287266-\$ or US-5164985-\$ or US-4939353-\$ or US-6398648-\$ or US-5761309-\$ or US-4977335-\$). did.) and (poll or polling or wait or waiting)) and ((IC or memory or smart) near card) | USPAT | OR | ON | 2003/02/22 19:29 |
| S35 | 45 | ((asynchronous near3 communication) with (packet or datagram))and (polling or poll) | USPAT | OR | ON | 2003/02/22 19:39 |
| S36 | 1 | ((((asynchronous near3 communication) with (packet or datagram))and (polling or poll)) and ((IC or memory or smart) near card) | USPAT | OR | ON | 2003/02/22 19:41 |
| S37 | 1180 | (ATM or (Asynchronous near Transfer near Mode)) and ((IC or memory or smart) near card) | USPAT | OR | ON | 2003/02/22 19:47 |
| S38 | 923 | (ATM or (Asynchronous near Transfer near Mode)) and ((IC or smart) near card) | USPAT | OR | ON | 2003/02/22 19:42 |
| S39 | 57 | ((ATM or (Asynchronous near Transfer near Mode)) and ((IC or smart) near card)) and (poll or polling) and packet | USPAT | OR | ON | 2003/02/22 19:43 |
| S40 | 3 | ("5307411" "5310999" "5739516").PN. | USPAT | OR | OFF | 2003/02/22 19:48 |
| S41 | 34 | (poll or polling) with ((IC or memory or smart) near card) | USPAT | OR | ON | 2003/02/22 19:49 |

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|-----|-------|---|-------|----|-----|------------------|
| S42 | 13 | ("5202884" "5390350" "5408678" "5418785" "5430684" "5442472" "5627730" "5680443" "5790786" "5822508" "5847741" "5961624" "6219695").PN. | USPAT | OR | OFF | 2003/02/22 19:50 |
| S43 | 6 | ("5105376" "5867409" "6014408" "6014446" "6240432" "6263082").PN. | USPAT | OR | OFF | 2003/02/22 19:51 |
| S44 | 11 | ("5003594" "5202838" "5517074" "5521590" "5539394" "5698637" "5936540" "5940006" "6010075" "6034603" "6118789").PN. | USPAT | OR | OFF | 2003/02/22 19:56 |
| S45 | 3624 | asynchronous near3 communication | USPAT | OR | ON | 2003/02/22 20:23 |
| S46 | 514 | (asynchronous near3 communication) and polling | USPAT | OR | ON | 2003/02/22 20:15 |
| S47 | 233 | ((asynchronous near3 communication) and polling) and packet | USPAT | OR | ON | 2003/02/22 20:19 |
| S48 | 20 | ((asynchronous near3 communication) and polling) and packet) and ((IC or smart or memory) near2 card) | USPAT | OR | ON | 2003/02/22 20:16 |
| S49 | 20142 | ((IC or memory or smart) near2 card) | USPAT | OR | ON | 2003/02/22 20:22 |
| S50 | 7522 | ((((IC or memory or smart) near2 card)) and (packet or frame or datagram) | USPAT | OR | ON | 2003/02/22 20:22 |
| S51 | 179 | (((((IC or memory or smart) near2 card)) and (packet or frame or datagram)) and (asynchronous near3 communication) | USPAT | OR | ON | 2003/02/22 20:23 |
| S52 | 36 | ((((((IC or memory or smart) near2 card)) and (packet or frame or datagram)) and (asynchronous near3 communication)) and polling | USPAT | OR | ON | 2003/02/22 20:27 |
| S53 | 50 | ((((((IC or memory or smart) near2 card)) and (packet or frame or datagram)) and (asynchronous near3 communication)) and (polling or watchdog) | USPAT | OR | ON | 2003/02/22 20:27 |
| S54 | 273 | (half near duplex) and asynchronous and (length near (packet or data or frame or datagram)) | USPAT | OR | ON | 2003/02/23 17:37 |

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|-----|------|--|-------|----|----|------------------|
| S55 | 0 | (half near duplex) and asynchronous and ((sending or transmitting or receiving) near3 (length near (packet or data or frame or datagram))) | USPAT | OR | ON | 2003/02/23 12:20 |
| S56 | 1448 | ((sending or transmitting or receiving) with (length near (packet or data or frame or datagram))) | USPAT | OR | ON | 2003/02/23 11:58 |
| S57 | 1082 | (((sending or transmitting or receiving) with (length near (packet or data or frame or datagram)))) and @ad<"19970630" | USPAT | OR | ON | 2003/02/23 11:59 |
| S58 | 265 | ((((sending or transmitting or receiving) with (length near (packet or data or frame or datagram)))) and @ad<"19970630") and asynchronous | USPAT | OR | ON | 2003/02/23 11:59 |
| S59 | 191 | ((half near duplex) and asynchronous and (length near (packet or data or frame or datagram))) and @ad<"19970630" | USPAT | OR | ON | 2003/02/23 14:29 |
| S60 | 9 | (half near duplex) and asynchronous and ((sending or transmitting or receiving) near3 ((length or size) near (packet or data or frame or datagram))) | USPAT | OR | ON | 2003/02/23 13:09 |
| S61 | 16 | (half near duplex) and asynchronous and ((sending or transmitting or receiving) near3 ((length or size) near (packet or data or frame or datagram or message))) | USPAT | OR | ON | 2003/02/23 14:27 |
| S62 | 185 | (half near duplex) and asynchronous and (sending or transmitting or receiving) and ((length or size) near (packet or data or frame or datagram or message)) and (poll or polling) | USPAT | OR | ON | 2003/02/23 14:29 |
| S63 | 142 | ((half near duplex) and asynchronous and (sending or transmitting or receiving) and ((length or size) near (packet or data or frame or datagram or message)) and (poll or polling)) and @ad<"19970630" | USPAT | OR | ON | 2003/02/23 14:30 |

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|-----|------|--|-------|----|----|------------------|
| S64 | 19 | ((((half near duplex) and asynchronous and (sending or transmitting or receiving) and ((length or size) near (packet or data or frame or datagram or message)) and (poll or polling)) and @ad<"19970630") and ((IC or smart or memory) near2 card) | USPAT | OR | ON | 2003/02/23 18:07 |
| S65 | 1 | "4939353".pn. | USPAT | OR | ON | 2003/02/23 16:32 |
| S66 | 0 | "4939353".pn. and asynchronous | USPAT | OR | ON | 2003/02/23 18:05 |
| S67 | 1 | "5682027".pn. and asynchronous | USPAT | OR | ON | 2003/02/23 17:16 |
| S68 | 25 | (asynchronous with ((smart or IC or memory or flash) near card)) and @ad<"19970630" | USPAT | OR | ON | 2003/02/23 17:25 |
| S69 | 1 | ((((asynchronous with ((smart or IC or memory or flash) near card)) and @ad<"19970630") and (half near duplex)) and ((length or size or byte) near3 (packet or data or frame or datagram or message)) | USPAT | OR | ON | 2003/02/23 18:00 |
| S70 | 2604 | ((byte or size or length) near3 (indicating or specifying) near3 (packet or cell or data or datagram or block or frame)) and @ad<"19970630" | USPAT | OR | ON | 2003/02/23 18:05 |
| S71 | 555 | ((((byte or size or length) near3 (indicating or specifying) near3 (packet or cell or data or datagram or block or frame)) and @ad<"19970630") and asynchronous | USPAT | OR | ON | 2003/02/23 18:06 |
| S72 | 36 | (((((byte or size or length) near3 (indicating or specifying) near3 (packet or cell or data or datagram or block or frame)) and @ad<"19970630") and asynchronous) and (half near duplex) | USPAT | OR | ON | 2003/02/24 08:55 |
| S73 | 2 | (((((byte or size or length) near3 (indicating or specifying) near3 (packet or cell or data or datagram or block or frame)) and @ad<"19970630") and asynchronous) and (half near duplex)) and ((IC or smart or memory) near2 card) | USPAT | OR | ON | 2003/02/23 18:07 |
| S74 | 31 | "5682027" | USPAT | OR | ON | 2003/02/23 18:49 |

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|-----|----|---|---|----|-----|------------------|
| S75 | 10 | ((("5682027") or ("5790885") or ("4939353") or ("6012634") or ("4796025") or ("5729573") or ("5787101") or ("5729004") or ("6297724") or ("6336181"))).PN. | USPAT; USOCR | OR | OFF | 2003/02/23 18:51 |
| S76 | 0 | ((("5682027") or ("5790885") or ("4939353") or ("6012634") or ("4796025") or ("5729573") or ("5787101") or ("5729004") or ("6297724") or ("6336181"))).PN.) and ((sending or transmitting or receiving) near3 address) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/23 18:52 |
| S77 | 0 | ((("5682027") or ("5790885") or ("4939353") or ("6012634") or ("4796025") or ("5729573") or ("5787101") or ("5729004") or ("6297724") or ("6336181"))).PN.) and ((sending or transmitting or receiving) near3 address) | USPAT | OR | ON | 2003/02/23 18:52 |
| S78 | 10 | ((("5682027") or ("5790885") or ("4939353") or ("6012634") or ("4796025") or ("5729573") or ("5787101") or ("5729004") or ("6297724") or ("6336181"))).PN.) and (sending or transmitting or receiving) | USPAT | OR | ON | 2003/02/23 18:52 |
| S79 | 9 | ((("5682027") or ("5790885") or ("4939353") or ("6012634") or ("4796025") or ("5729573") or ("5787101") or ("5729004") or ("6297724") or ("6336181"))).PN.) and address\$2 | USPAT | OR | ON | 2003/02/23 18:53 |
| S80 | 3 | ((("5682027") or ("5790885") or ("4939353") or ("6012634") or ("4796025") or ("5729573") or ("5787101") or ("5729004") or ("6297724") or ("6336181"))).PN.) and (poll or polling or polled) | USPAT | OR | ON | 2003/02/23 19:50 |
| S81 | 6 | ((("5682027") or ("5790885") or ("4939353") or ("6012634") or ("4796025") or ("5729573") or ("5787101") or ("5729004") or ("6297724") or ("6336181"))).PN.) and (status) | USPAT | OR | ON | 2003/02/23 19:50 |
| S82 | 3 | ((asynchronous with ((smart or IC or memory or flash) near card)) and @ad<"19970630") and (half near duplex) | USPAT | OR | ON | 2003/02/24 11:33 |
| S83 | 3 | ((asynchronous with ((smart or IC or memory or flash) near card)) and @ad<"19970630") and (half near duplex)) and (address or location) | USPAT | OR | ON | 2003/02/24 08:29 |

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|-----|------|---|-------|----|----|------------------|
| S84 | 2 | ((smart or IC) near card) near3 ((sending or transmitting) near3 address)) and @ad<"19970630" | USPAT | OR | ON | 2003/02/24 08:40 |
| S85 | 4 | ((smart or IC) near card) with ((sending or transmitting) near3 (address or length))) and @ad<"19970630" | USPAT | OR | ON | 2003/02/24 08:58 |
| S86 | 0 | ((smart or IC) near card) near3 ((sending or transmitting) near3 address)) and @ad<"19970630") and asynchronous | USPAT | OR | ON | 2003/02/24 08:43 |
| S87 | 0 | ((smart or IC) near card) near3 ((sending or transmitting) near3 address)) and @ad<"19970630") and asynchronous | USPAT | OR | ON | 2003/02/24 08:43 |
| S88 | 523 | ((byte or size or length) near3 (packet or cell or data or datagram or block or frame)) and @ad<"19970630") and asynchronous) and (half near duplex) | USPAT | OR | ON | 2003/02/24 09:10 |
| S89 | 372 | ((size or length) near3 (packet or cell or data or datagram or block or frame)) and @ad<"19970630") and asynchronous) and (half near duplex) | USPAT | OR | ON | 2003/02/24 09:12 |
| S90 | 17 | ((size or length) near3 (packet or cell or data or datagram or block or frame)) and @ad<"19970630") and asynchronous) and (half near duplex)) and ((smart or IC) near card) | USPAT | OR | ON | 2003/02/24 09:13 |
| S91 | 3525 | ((header) near3 (packet or cell or data or datagram or block or frame)) and @ad<"19970630" and asynchronous | USPAT | OR | ON | 2003/02/24 09:12 |
| S92 | 193 | ((header) near3 (packet or cell or data or datagram or block or frame)) and @ad<"19970630" and asynchronous) and (half near duplex) | USPAT | OR | ON | 2003/02/24 09:12 |
| S93 | 18 | ((header) near3 (packet or cell or data or datagram or block or frame)) and @ad<"19970630" and asynchronous) and (half near duplex)) and ((smart or IC) near card) | USPAT | OR | ON | 2003/02/24 09:14 |
| S94 | 1 | "5790885".pn. and header | USPAT | OR | ON | 2004/09/21 11:27 |
| S95 | 0 | ("5790885".pn. and header) and poll | USPAT | OR | ON | 2003/02/24 09:56 |

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|----------|---------|--|-------|----|----|------------------|
| S96 | 2 | (asynchronous near3 (communication or transmission)) and ack and nack and poll and start and stop and header and @ad<"19970630" | USPAT | OR | ON | 2003/02/24 11:45 |
| S97 | 44 | (asynchronous near3 (communication or transmission)) and (ack or acknowledgemnet) and (poll or polling) and start and stop and header and @ad<"19970630" | USPAT | OR | ON | 2003/02/24 11:51 |
| S98 | 2502829 | (asynchronous near3 (communication or transmission)) @ad<"19970630" | USPAT | OR | ON | 2003/02/24 11:52 |
| S99 | 22 | ((asynchronous near3 (communication or transmission)) @ad<"19970630") and ((ack or acknowledgemnet) near3 (packet or cell or data or block or frame)) and ((poll or polling) near3 (packet or cell or data or block or frame)) and start and stop and (header near3 (packet or cell or data or block or frame)) | USPAT | OR | ON | 2003/02/24 11:55 |
| S10 0 | 20 | ((asynchronous near3 (communication or transmission)) @ad<"19970630") and ((ack or acknowledgemnet) near3 (packet or cell or data)) and ((poll or polling) near3 (packet or cell or data)) and start and stop and (header near3 (packet or cell or data)) | USPAT | OR | ON | 2003/02/24 13:54 |
| S10 1 | 184 | ATM with (smart near3 card) | USPAT | OR | ON | 2003/02/24 13:23 |
| S10 2 | 81 | ATM near3 (smart near3 card) | USPAT | OR | ON | 2003/02/24 13:24 |
| S10 3 | 62 | (ATM with (smart near3 card)) and @ad<"19970630" | USPAT | OR | ON | 2003/02/24 13:23 |
| S10 4 | 23 | (ATM near3 (smart near3 card)) and @ad<"19970630" | USPAT | OR | ON | 2003/02/24 13:23 |
| S10 5 | 0 | (Asynchronous near transfer near mode) near3 (smart near3 card) | USPAT | OR | ON | 2003/02/24 13:25 |
| S10 6 | 0 | (Asynchronous near transfer near mode) with (smart near3 card) | USPAT | OR | ON | 2003/02/24 13:25 |
| S10 7 | 0 | (Asynchronous near transfer near mode) with ((smart or IC) near3 card) | USPAT | OR | ON | 2003/02/24 13:49 |

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|----------|------|---|-------|----|-----|------------------|
| S10 8 | 6 | (asynchronous near3 communication) and ((ack or acknowledgemnet) near3 (packet or cell or data)) and ((poll or polling) near3 (packet or cell or data)) and start and stop and (header near3 (packet or cell or data)) and @ad<"19970630" | USPAT | OR | ON | 2003/02/24 13:48 |
| S10 9 | 2559 | (asynchronous near3 communication) and @ad<"19970630" | USPAT | OR | ON | 2003/02/24 13:48 |
| S11 0 | 37 | ((asynchronous near3 communication) and @ad<"19970630") and ((smart or IC) near3 card) | USPAT | OR | ON | 2003/02/24 13:52 |
| S11 1 | 0 | "6012634".pn. and poll and ack and (packet or cell or frame) | USPAT | OR | ON | 2003/02/24 13:53 |
| S11 2 | 3 | (half near duplex) and ((ack or acknowledgemnet) near3 (packet or cell or data)) and ((poll or polling) near3 (packet or cell or data)) and start and stop and (header near3 (packet or cell or data)) | USPAT | OR | ON | 2003/02/25 10:14 |
| S11 3 | 6 | (half near duplex) and (packet near poll) | USPAT | OR | ON | 2003/02/24 14:18 |
| S11 4 | 0 | (half near duplex) and ((ack or acknowledgemnet) near3 (packet or cell or data)) and ((poll or polling) near3 (packet or cell or data)) and "6297724".pn. | USPAT | OR | ON | 2003/02/25 11:59 |
| S11 5 | 1 | asynchronous and "6297724".pn. | USPAT | OR | ON | 2003/02/25 18:23 |
| S11 6 | 1 | "6297724".pn. | USPAT | OR | ON | 2003/02/25 13:51 |
| S11 7 | 22 | ("Re33504" "4127845" "4215276" "4484190" "4484258" "4540890" "4567557" "4649323" "4667193" "4889999" "4954768" "4964058" "5064386" "5089974" "5170068" "5175677" "5191265" "5218522" "5233342" "5237207" "5410292" "5621662").PN. | USPAT | OR | OFF | 2003/02/25 13:49 |
| S11 8 | 0 | "6297724".URPN. | USPAT | OR | OFF | 2003/02/25 13:50 |
| S11 9 | 0 | "6297724".URPN. | USPAT | OR | OFF | 2003/02/25 13:51 |
| S12 0 | 1 | "5790885".pn. | USPAT | OR | ON | 2003/02/25 15:27 |

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|----------|----|---|-------|----|-----|------------------|
| S12 1 | 7 | ("4845717" "4862501" "4939353" "5101410" "5161231" "5369760" "5414835").PN. | USPAT | OR | OFF | 2003/02/25 13:51 |
| S12 2 | 7 | ("4845717" "4862501" "4939353" "5101410" "5161231" "5369760" "5414835").PN. | USPAT | OR | OFF | 2003/02/25 14:54 |
| S12 3 | 0 | "5790885".pn. and "6297724".pn. and header | USPAT | OR | ON | 2003/02/25 15:27 |
| S12 4 | 1 | "6297724".pn. and header | USPAT | OR | ON | 2003/02/25 15:28 |
| S12 5 | 1 | ("6297724".pn. and header) and (data near3 length) | USPAT | OR | ON | 2003/02/25 15:33 |
| S12 6 | 1 | ("6297724".pn. and header) and (packet near3 (length or size)) | USPAT | OR | ON | 2003/02/25 16:50 |
| S12 7 | 8 | ((IC or smart) near3 card) near3 slave | USPAT | OR | ON | 2003/02/25 16:17 |
| S12 8 | 58 | ((IC or smart) near3 card) near3 master | USPAT | OR | ON | 2003/02/25 16:18 |
| S12 9 | 35 | ((((IC or smart) near3 card) near3 master) and @ad<"19970630" | USPAT | OR | ON | 2003/02/25 16:19 |
| S13 0 | 1 | ((("6297724".pn. and header) and (packet near3 (length or size))) and (poll or polling) | USPAT | OR | ON | 2003/02/25 16:51 |
| S13 1 | 1 | ((("6297724".pn. and header) and (packet near3 (length or size))) and (poll or polling)) and ((("6297724". pn. and header) and (data near3 length)) | USPAT | OR | ON | 2003/02/25 16:51 |

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|----------|----|---|---|----|-----|------------------|
| S13 2 | 51 | (US-6480748-\$ or US-6427063-\$ or US-6424949-\$ or US-6418324-\$ or US-6377935-\$ or US-6364769-\$ or US-6334108-\$ or US-6298370-\$ or US-6259355-\$ or US-6249826-\$ or US-6105119-\$ or US-6065679-\$ or US-6014705-\$ or US-5689229-\$ or US-5680633-\$ or US-5661517-\$ or US-5506847-\$ or US-5852290-\$ or US-6144848-\$ or US-6112273-\$ or US-5933812-\$ or US-5815506-\$ or US-5799171-\$ or US-5790885-\$ or US-5682027-\$ or US-5390356-\$). did. or (US-5287266-\$ or US-5164985-\$ or US-4939353-\$ or US-4816653-\$ or US-6398648-\$ or US-5761309-\$ or US-4977335-\$ or US-6463095-\$ or US-5602374-\$ or US-5822544-\$ or US-4631666-\$ or US-6336181-\$ or US-6297724-\$ or US-6125398-\$ or US-5729573-\$ or US-5218680-\$ or US-4796025-\$ or US-6157649-\$ or US-6012634-\$ or US-5787101-\$ or US-5261052-\$ or US-5806044-\$ or US-5987018-\$ or US-5369760-\$ or US-5101410-\$). did. | USPAT | OR | OFF | 2003/02/25 17:52 |
| S13 3 | 14 | ((US-6480748-\$ or US-6427063-\$ or US-6424949-\$ or US-6418324-\$ or US-6377935-\$ or US-6364769-\$ or US-6334108-\$ or US-6298370-\$ or US-6259355-\$ or US-6249826-\$ or US-6105119-\$ or US-6065679-\$ or US-6014705-\$ or US-5689229-\$ or US-5680633-\$ or US-5661517-\$ or US-5506847-\$ or US-5852290-\$ or US-6144848-\$ or US-6112273-\$ or US-5933812-\$ or US-5815506-\$ or US-5799171-\$ or US-5790885-\$ or US-5682027-\$ or US-5390356-\$). did. or (US-5287266-\$ or US-5164985-\$ or US-4939353-\$ or US-4816653-\$ or US-6398648-\$ or US-5761309-\$ or US-4977335-\$ or US-6463095-\$ or US-5602374-\$ or US-5822544-\$ or US-4631666-\$ or US-6336181-\$ or US-6297724-\$ or US-6125398-\$ or US-5729573-\$ or US-5218680-\$ or US-4796025-\$ or US-6157649-\$ or US-6012634-\$ or US-5787101-\$ or US-5261052-\$ or US-5806044-\$ or US-5987018-\$ or US-5369760-\$ or US-5101410-\$). did.) and (sequence near3 number) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/25 17:58 |

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|----------|-----|---|---|----|-----|------------------|
| S13 4 | 5 | ((US-6480748-\$ or US-6427063-\$ or US-6424949-\$ or US-6418324-\$ or US-6377935-\$ or US-6364769-\$ or US-6334108-\$ or US-6298370-\$ or US-6259355-\$ or US-6249826-\$ or US-6105119-\$ or US-6065679-\$ or US-6014705-\$ or US-5689229-\$ or US-5680633-\$ or US-5661517-\$ or US-5506847-\$ or US-5852290-\$ or US-6144848-\$ or US-6112273-\$ or US-5933812-\$ or US-5815506-\$ or US-5799171-\$ or US-5790885-\$ or US-5682027-\$ or US-5390356-\$). did. or (US-5287266-\$ or US-5164985-\$ or US-4939353-\$ or US-4816653-\$ or US-6398648-\$ or US-5761309-\$ or US-4977335-\$ or US-6463095-\$ or US-5602374-\$ or US-5822544-\$ or US-4631666-\$ or US-6336181-\$ or US-6297724-\$ or US-6125398-\$ or US-5729573-\$ or US-5218680-\$ or US-4796025-\$ or US-6157649-\$ or US-6012634-\$ or US-5787101-\$ or US-5261052-\$ or US-5806044-\$ or US-5987018-\$ or US-5369760-\$ or US-5101410-\$). did.) and (sequence near3 number) and (half near3 duplex) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/25 18:02 |
| S13 5 | 445 | ((sequence near3 number) or tag) and (half near3 duplex) and @ad<"19970630" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/25 18:23 |
| S13 6 | 224 | ((sequence near3 number) or tag) and (half near3 duplex) and @ad<"19970630") and asynchronous | USPAT | OR | ON | 2003/02/25 18:23 |
| S13 7 | 1 | ((sequence near3 number) or tag) with (half near3 duplex) and @ad<"19970630" and asynchronous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/25 19:15 |

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|----------|---|---|---|----|-----|------------------|
| S13 8 | 8 | ((US-6480748-\$ or US-6427063-\$ or US-6424949-\$ or US-6418324-\$ or US-6377935-\$ or US-6364769-\$ or US-6334108-\$ or US-6298370-\$ or US-6259355-\$ or US-6249826-\$ or US-6105119-\$ or US-6065679-\$ or US-6014705-\$ or US-5689229-\$ or US-5680633-\$ or US-5661517-\$ or US-5506847-\$ or US-5852290-\$ or US-6144848-\$ or US-6112273-\$ or US-5933812-\$ or US-5815506-\$ or US-5799171-\$ or US-5790885-\$ or US-5682027-\$ or US-5390356-\$). did. or (US-5287266-\$ or US-5164985-\$ or US-4939353-\$ or US-4816653-\$ or US-6398648-\$ or US-5761309-\$ or US-4977335-\$ or US-6463095-\$ or US-5602374-\$ or US-5822544-\$ or US-4631666-\$ or US-6336181-\$ or US-6297724-\$ or US-6125398-\$ or US-5729573-\$ or US-5218680-\$ or US-4796025-\$ or US-6157649-\$ or US-6012634-\$ or US-5787101-\$ or US-5261052-\$ or US-5806044-\$ or US-5987018-\$ or US-5369760-\$ or US-5101410-\$). did.) and ((sequence near3 number) or tag) and (half near3 duplex) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/25 18:39 |
| S13 9 | 0 | "4816653".pn. and ((sequence near3 number) or tag) with (half near3 duplex) and asynchronous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/25 19:16 |
| S14 0 | 0 | "4816653".pn. and ((sequence near3 number) or tag) with (half near3 duplex) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/25 19:16 |
| S14 1 | 1 | "4816653".pn. and ((sequence near3 number) or tag) and (half near3 duplex) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/25 19:16 |
| S14 2 | 1 | "4816653".pn. and ((sequence near3 number) or tag) and (half near3 duplex) and asynchronous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/25 19:17 |
| S14 3 | 0 | "4816653".pn. and ((sequence near3 number) or tag) and (half near3 duplex) and synchronous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/25 19:17 |

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|----------|----|---|---|----|-----|------------------|
| S14 4 | 50 | (smart with card) with asynchronous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/05 14:18 |
| S14 5 | 72 | ("3977785" "4168396" "4256955" "4278837" "4465901" "4562306" "4598810" "4634807" "4650975" "4688169" "4725079" "4748561" "4777355" "4797543" "4877947" "4890319" "4890321" "4926480" "4937740" "5064999" "5068894" "5123045" "5126541" "5149945" "5195130" "5247164" "5247575" "5375240" "5386369" "5406064" "5406380" "5412191" "5420405" "5440631" "5444779" "5448045" "5461217" "5500517" "5509070" "5530520" "5532920" "5537474" "5544086" "5550919" "5590197" "5602743" "5604802" "5613012" "5613159" "5650761" "5689565" "5692132" "5734150" "5742756" "5761306" "5768419" "5811771" "5815657" "5822517" "5841866" "5844218" "5844497" "5852290" "5887266" "5889941" "5892902" "5901303" "5915226" "5923884" "5937068" "6003014" "6006303").PN. | USPAT | OR | OFF | 2003/09/05 13:44 |
| S14 6 | 4 | "6157966".URPN. | USPAT | OR | OFF | 2003/09/05 13:45 |
| S14 7 | 45 | ((ic or (integrated near circuit)) with card) with asynchronous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/05 14:31 |
| S14 8 | 4 | ("4692640" "4816656" "5434395" "5682027").PN. | USPAT | OR | OFF | 2003/09/05 14:28 |
| S14 9 | 0 | ((((ic or (integrated near circuit)) with card) or (smart near card)) with (Initiator and follower) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/05 14:34 |
| S15 0 | 58 | ((((ic or (integrated near circuit)) with card) or (smart near card)) with (master and slave) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/05 14:37 |

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|----------|----|---|-------|----|-----|------------------|
| S15 1 | 12 | ("5581708" "5594233" "5613159" "5638530" "5679945" "5721781" "5832240" "5847372" "6151647" "6168077" "6199128" "6439464").PN. | USPAT | OR | OFF | 2003/09/05 14:39 |
| S15 2 | 56 | (smart near3 card) with (master or initiator) | USPAT | OR | ON | 2003/09/08 15:50 |
| S15 3 | 12 | ("5581708" "5594233" "5613159" "5638530" "5679945" "5721781" "5832240" "5847372" "6151647" "6168077" "6199128" "6439464").PN. | USPAT | OR | OFF | 2003/09/08 10:51 |
| S15 4 | 72 | ("3977785" "4168396" "4256955" "4278837" "4465901" "4562306" "4598810" "4634807" "4650975" "4688169" "4725079" "4748561" "4777355" "4797543" "4877947" "4890319" "4890321" "4926480" "4937740" "5064999" "5068894" "5123045" "5126541" "5149945" "5195130" "5247164" "5247575" "5375240" "5386369" "5406064" "5406380" "5412191" "5420405" "5440631" "5444779" "5448045" "5461217" "5500517" "5509070" "5530520" "5532920" "5537474" "5544086" "5550919" "5590197" "5602743" "5604802" "5613012" "5613159" "5650761" "5689565" "5692132" "5734150" "5742756" "5761306" "5768419" "5811771" "5815657" "5822517" "5841866" "5844218" "5844497" "5852290" "5887266" "5889941" "5892902" "5901303" "5915226" "5923884" "5937068" "6003014" "6006303").PN. | USPAT | OR | OFF | 2003/09/08 11:37 |
| S15 5 | 72 | ((IC or (integrated near3 circuit)) near3 card) with (master or initiator) | USPAT | OR | ON | 2003/09/08 12:51 |
| S15 6 | 77 | ((IC or (integrated near3 circuit)) near3 card) with (initiat\$4) | USPAT | OR | ON | 2003/09/08 12:51 |
| S15 7 | 29 | ((IC or (integrated near3 circuit)) near3 card) near3 (initiat\$4) | USPAT | OR | ON | 2003/09/08 12:58 |
| S15 8 | 1 | ((IC or (integrated near3 circuit)) near3 card) near3 (initiat\$4)) and (poll\$3) | USPAT | OR | ON | 2003/09/08 14:29 |

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|------|-----|---|----------------------------|----|-----|------------------|
| S159 | 0 | ((IC or (integrated near3 circuit)) near3 card) near3 (initiat\$4)) and asynchronous | USPAT | OR | ON | 2003/09/08 13:02 |
| S160 | 17 | (smart near3 card) with asynchronous | USPAT | OR | ON | 2003/09/09 14:47 |
| S161 | 1 | (smart near3 card) with asynchronous with (master or initiat\$4) | USPAT | OR | ON | 2003/09/08 15:50 |
| S162 | 20 | (IC or (integrated near3 circuit)) with asynchronous with (master or initiat\$4) | USPAT | OR | ON | 2003/09/08 15:27 |
| S163 | 9 | (intelligent near3 card) with (master or initiator) | USPAT | OR | ON | 2003/09/08 15:51 |
| S164 | 0 | (smart near3 card) with simulat\$3 with asynchronous | USPAT | OR | ON | 2003/09/09 14:59 |
| S165 | 1 | (smart near3 card) with logical with asynchronous | USPAT | OR | ON | 2003/09/09 14:47 |
| S166 | 18 | (smart near3 card) with asynchronous | USPAT | OR | ON | 2003/09/09 14:50 |
| S167 | 9 | (smart near3 card) with polling | USPAT | OR | ON | 2003/09/09 15:16 |
| S168 | 225 | simulat\$3 with asynchronous | USPAT | OR | ON | 2003/09/09 14:59 |
| S169 | 41 | simulating with asynchronous | USPAT | OR | ON | 2003/09/09 14:59 |
| S170 | 24 | simulating near3 asynchronous | USPAT | OR | ON | 2003/09/09 14:59 |
| S171 | 41 | (IC or (integrated near3 circuit)) with polling | USPAT | OR | ON | 2003/09/09 15:17 |
| S172 | 11 | ((terminal or host) with poll\$3) same ((smart or IC or chip or intellegent) near3 card) | USPAT | OR | ON | 2003/09/10 10:00 |
| S173 | 11 | ("4438824" "4723284" "4807288" "4862501" "4885777" "4885788" "4969189" "5016276" "5018196" "5046094" "5199070").PN. | USPAT | OR | OFF | 2003/09/10 09:47 |
| S174 | 9 | ((terminal or host) with poll\$3) same ((smart or IC or chip or intellegent) near3 card) | EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/10 09:50 |
| S175 | 11 | ((Terminal or host) with (poll\$3 or watchdog)) same ((smart or IC or chip or intelligent) near3 card) | USPAT | OR | ON | 2003/09/10 10:28 |
| S176 | 20 | (Simulate\$4 or emulate\$4 or imitate\$4 or logic\$3) with asynch\$5 | USPAT | OR | ON | 2003/09/10 10:22 |
| S177 | 6 | ((Simulate\$4 or emulate\$4 or imitate\$4 or logic\$3) with asynch\$5) with synch\$6 | USPAT | OR | ON | 2003/09/10 10:23 |

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|----------|------|---|--|----|-----|------------------|
| S17 8 | 56 | ((Smart or IC or chip or intelligent) near3 card) with ((master or initiator) and (slave or follower or target)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/10 10:32 |
| S17 9 | 66 | ((Smart or IC or chip or intelligent) near3 card) with USB | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/09/10 10:33 |
| S18 0 | 72 | ("3977785" "4168396" "4256955" "4278837" "4465901" "4562306" "4598810" "4634807" "4650975" "4688169" "4725079" "4748561" "4777355" "4797543" "4877947" "4890319" "4890321" "4926480" "4937740" "5064999" "5068894" "5123045" "5126541" "5149945" "5195130" "5247164" "5247575" "5375240" "5386369" "5406064" "5406380" "5412191" "5420405" "5440631" "5444779" "5448045" "5461217" "5500517" "5509070" "5530520" "5532920" "5537474" "5544086" "5550919" "5590197" "5602743" "5604802" "5613012" "5613159" "5650761" "5689565" "5692132" "5734150" "5742756" "5761306" "5768419" "5811771" "5815657" "5822517" "5841866" "5844218" "5844497" "5852290" "5887266" "5889941" "5892902" "5901303" "5915226" "5923884" "5937068" "6003014" "6006303").PN. | USPAT | OR | OFF | 2003/09/10 10:37 |
| S18 1 | 1585 | asynchronous and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) | USPAT | OR | ON | 2003/10/10 15:41 |
| S18 2 | 115 | (asynchronous and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2))) and packet and network and duplex | USPAT | OR | ON | 2003/10/10 15:19 |
| S18 3 | 87 | (asynchronous and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2))) and packet and network and (full near3 duplex) | USPAT | OR | ON | 2003/10/10 15:20 |
| S18 4 | 16 | ((asynchronous and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2))) and packet and network and (full near3 duplex)) and game | USPAT | OR | ON | 2003/10/10 15:20 |

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|----------|------|--|-------|----|----|------------------|
| S18 5 | 7 | ((asynchronous and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2))) and packet and network and (full near3 duplex)) and game) and diagnostic | USPAT | OR | ON | 2003/10/10 15:20 |
| S18 6 | 1065 | ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) with network | USPAT | OR | ON | 2003/10/10 15:26 |
| S18 7 | 148 | ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) with network with access | USPAT | OR | ON | 2003/10/10 15:28 |
| S18 8 | 25 | ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) with network with transmit | USPAT | OR | ON | 2003/10/10 15:30 |
| S18 9 | 0 | ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) with network with transmit) and (full near3 duplex) | USPAT | OR | ON | 2003/10/10 15:29 |
| S19 0 | 1 | ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) with network with access) and (full near3 duplex) | USPAT | OR | ON | 2003/10/10 15:28 |
| S19 1 | 19 | ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) with network with connect | USPAT | OR | ON | 2003/10/10 15:28 |
| S19 2 | 0 | ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) with network with connect) and (full near3 duplex) | USPAT | OR | ON | 2003/10/10 15:28 |
| S19 3 | 1 | ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) with network with connect) and duplex | USPAT | OR | ON | 2003/10/10 15:28 |
| S19 4 | 1 | ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) with network with transmit) and duplex | USPAT | OR | ON | 2003/10/10 15:30 |
| S19 5 | 336 | ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) with network with communicat\$4 | USPAT | OR | ON | 2003/10/10 15:32 |
| S19 6 | 10 | ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) with network with communicat\$4) and duplex | USPAT | OR | ON | 2003/10/10 15:32 |
| S19 7 | 35 | ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) with packet with communicat\$4 | USPAT | OR | ON | 2003/10/10 15:32 |

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|----------|-----|--|-------|----|----|------------------|
| S19 8 | 4 | ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) with packet with communicat\$4) and duplex | USPAT | OR | ON | 2003/10/10 15:36 |
| S19 9 | 436 | (network near3 resources) and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) | USPAT | OR | ON | 2003/10/10 15:41 |
| S20 0 | 202 | (network near3 resources) and ((smart near card\$2) or (IC near card\$2)) : | USPAT | OR | ON | 2003/10/10 15:42 |
| S20 1 | 47 | ((network near3 resources) and ((smart near card\$2) or (IC near card\$2))) and packet and asynchronous | USPAT | OR | ON | 2003/10/10 15:42 |
| S20 2 | 4 | ((network near3 resources) and ((smart near card\$2) or (IC near card\$2))) and packet and asynchronous) and duplex | USPAT | OR | ON | 2003/10/10 15:42 |
| S20 3 | 24 | ((domain near3 name) and (remote near3 procedure) and (remote near3 message)) and game | USPAT | OR | ON | 2003/10/10 17:24 |
| S20 4 | 24 | ((domain near3 name) and (remote near3 procedure) and (remote near3 message)) and game) and diagnostic | USPAT | OR | ON | 2003/10/10 17:26 |
| S20 5 | 28 | ((domain near3 name) and (remote near3 procedure) and (remote near3 message)) and ((smart near card\$2) or (IC near card\$2) or (memory near card\$2)) | USPAT | OR | ON | 2003/10/10 17:27 |
| S20 6 | 50 | (domain near3 name) and (remote near3 procedure) and (remote near3 message) | USPAT | OR | ON | 2003/10/10 17:28 |

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| S20 7 | 72 | ("3977785" "4168396" "4256955" "4278837" "4465901" "4562306" "4598810" "4634807" "4650975" "4688169" "4725079" "4748561" "4777355" "4797543" "4877947" "4890319" "4890321" "4926480" "4937740" "5064999" "5068894" "5123045" "5126541" "5149945" "5195130" "5247164" "5247575" "5375240" "5386369" "5406064" "5406380" "5412191" "5420405" "5440631" "5444779" "5448045" "5461217" "5500517" "5509070" "5530520" "5532920" "5537474" "5544086" "5550919" "5590197" "5602743" "5604802" "5613012" "5613159" "5650761" "5689565" "5692132" "5734150" "5742756" "5761306" "5768419" "5811771" "5815657" "5822517" "5841866" "5844218" "5844497" "5852290" "5887266" "5889941" "5892902" "5901303" "5915226" "5923884" "5937068" "6003014" "6006303").PN. | USPAT | OR | OFF | 2003/10/10 17:33 |
| S20 8 | 3 | (smart near3 card) with (network near2 resource) | USPAT | OR | ON | 2003/10/21 11:53 |
| S20 9 | 27 | (smart near3 card) with (network near2 device) | USPAT | OR | ON | 2004/04/05 13:30 |
| S21 0 | 0 | (Ic near3 card) with (network near2 resource) | USPAT | OR | ON | 2004/04/05 13:30 |
| S21 1 | 10 | (IC near3 card) with (network near2 device) | USPAT | OR | ON | 2003/10/21 11:53 |
| S21 2 | 26 | ("5444483" "5446491" "5475441" "5477264" "5477542" "5524194" "5568192" "5594736" "5625410" "5674003" "5696850" "5754227" "5814798" "5825408" "5835140" "5852472" "5862217" "5862218" "5862325" "5896128" "5905528" "5943046" "6002770" "6046762" "6049621" "6073192" "2001/0010543").PN. | USPAT | OR | OFF | 2003/10/21 12:01 |
| S21 3 | 110 | ((Ic or smart or memory) near3 card) with (poll\$3) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/04/07 10:16 |

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|----------|----|---|--|----|-----|------------------|
| S21 4 | 2 | "6157966".pn. | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/04/05 13:58 |
| S21 5 | 72 | ("3977785" "4168396" "4256955" "4278837" "4465901" "4562306" "4598810" "4634807" "4650975" "4688169" "4725079" "4748561" "4777355" "4797543" "4877947" "4890319" "4890321" "4926480" "4937740" "5064999" "5068894" "5123045" "5126541" "5149945" "5195130" "5247164" "5247575" "5375240" "5386369" "5406064" "5406380" "5412191" "5420405" "5440631" "5444779" "5448045" "5461217" "5500517" "5509070" "5530520" "5532920" "5537474" "5544086" "5550919" "5590197" "5602743" "5604802" "5613012" "5613159" "5650761" "5689565" "5692132" "5734150" "5742756" "5761306" "5768419" "5811771" "5815657" "5822517" "5841866" "5844218" "5844497" "5852290" "5887266" "5889941" "5892902" "5901303" "5915226" "5923884" "5937068" "6003014" "6006303").PN. | USPAT | OR | OFF | 2004/04/05 14:20 |
| S21 6 | 0 | (asynchronous with ((smart near card\$2) or (IC near card\$2) or (memory near card\$2))) with poll\$3 | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/04/05 15:22 |
| S21 7 | 11 | ((((Ic or smart or memory) near3 card) with (poll\$3)) and asynchronous | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/04/05 15:22 |
| S21 8 | 64 | ((Ic or smart) near3 card) with (poll\$3 or autopoll\$3) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/04/07 10:19 |
| S21 9 | 65 | ((Ic or smart or Intelligent) near3 card) with (poll\$3 or autopoll\$3) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/04/07 11:39 |
| S22 0 | 1 | ((((Ic or smart or Intelligent) near3 card) same (poll\$3 or autopoll\$3)) and (event near3 driven) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/04/07 11:40 |

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|----------|-----|--|--|----|-----|------------------|
| S22 1 | 16 | ((Ic or smart or Intelligent) near3 card) same (event near3 driven) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/04/07 11:40 |
| S22 2 | 976 | (poll\$3 or autopoll\$3) with ((data or packet or frame or datagram) near3 (size or amount or number or bit or byte)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/04/08 13:05 |
| S22 3 | 209 | (poll\$3 or autopoll\$3) with ((data or packet or frame or datagram) near3 (size or amount)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/04/08 13:05 |
| S22 4 | 18 | (poll\$3 or autopoll\$3) with ((packet) near3 (size or amount)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/04/08 12:59 |
| S22 5 | 142 | ((poll\$3 or autopoll\$3) with (((data or packet or frame or datagram) near3 (size or amount or number or bit or byte)))) with (Response or ack or acknowledg\$4) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/04/08 13:06 |
| S22 6 | 146 | ((poll\$3 or autopoll\$3) with (((data or packet or frame or datagram) near3 (size or amount or number or bit or byte)))) with (Response or ack or acknowledg\$4) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/04/08 13:07 |
| S22 7 | 4 | ((poll\$3 or autopoll\$3) with ((data or packet or frame or datagram) near3 (size or amount or number or bit or byte))) with (Response or ack or acknowledg\$4) and ((Ic or smart or Intelligent) near3 card) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/04/14 15:21 |
| S22 8 | 1 | "5872525".PN. | USPAT | OR | OFF | 2004/04/08 13:09 |
| S22 9 | 185 | ((poll\$3 or autopoll\$3) with ((data or packet or frame or datagram) near3 (size or amount or number or bit or byte))) with (Response or ack or acknowledg\$4) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/04/14 16:26 |
| S23 0 | 193 | ((poll\$3 or autopoll\$3) with ((data or packet or frame or datagram) near3 (size or amount or number or bit or byte or length))) with (Response or ack or acknowledg\$4 or nak)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/04/14 16:56 |
| S23 1 | 4 | ((poll\$3 or autopoll\$3) with (((data or packet or frame or datagram) near3 (size or amount or number or bit or byte or length)))) with (Response or ack or acknowledg\$4 or nak))) and ((Ic or smart or Intelligent) near3 card) | USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/04/14 16:59 |

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|----------|-----|---|---|----|-----|------------------|
| S23 2 | 347 | ((smart or IC or memory or portable) near card) with (initiat\$4 or start\$4) with (communication) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/09/21 11:34 |
| S23 3 | 2 | ("6157966").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/09/21 11:34 |
| S23 4 | 72 | ("3977785" "4168396" "4256955" "4278837" "4465901" "4562306" "4598810" "4634807" "4650975" "4688169" "4725079" "4748561" "4777355" "4797543" "4877947" "4890319" "4890321" "4926480" "4937740" "5064999" "5068894" "5123045" "5126541" "5149945" "5195130" "5247164" "5247575" "5375240" "5386369" "5406064" "5406380" "5412191" "5420405" "5440631" "5444779" "5448045" "5461217" "5500517" "5509070" "5530520" "5532920" "5537474" "5544086" "5550919" "5590197" "5602743" "5604802" "5613012" "5613159" "5650761" "5689565" "5692132" "5734150" "5742756" "5761306" "5768419" "5811771" "5815657" "5822517" "5841866" "5844218" "5844497" "5852290" "5887266" "5889941" "5892902" "5901303" "5915226" "5923884" "5937068" "6003014" "6006303").PN. | USPAT | OR | ON | 2004/09/21 11:35 |
| S23 5 | 1 | "5948069".pn. | USPAT | OR | ON | 2004/10/28 18:08 |
| S23 6 | 1 | "5948069".pn. and dynamically | USPAT | OR | ON | 2004/10/28 19:22 |
| S23 7 | 0 | "5948069".pn. and (programming near2 interface) | USPAT | OR | ON | 2004/10/28 18:43 |
| S23 8 | 2 | client with (message or indication) with breakdown with server | USPAT | OR | ON | 2004/10/28 18:51 |
| S23 9 | 0 | (software near3 agent) with (message or indication) with breakdown with server | USPAT | OR | ON | 2004/10/28 18:45 |

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|----------|-----|---|---|----|-----|------------------|
| S24 0 | 1 | (communication) with (message or indication) with breakdown with server | USPAT | OR | ON | 2004/10/28 18:50 |
| S24 1 | 1 | inform\$4 with server with breakdown | USPAT | OR | ON | 2004/10/28 18:51 |
| S24 2 | 113 | inform\$4 with server with ((break near down) or fail\$5) | USPAT | OR | ON | 2005/08/24 16:27 |
| S24 3 | 131 | client with (message or indication) with ((break near down) or fail\$5) with server | USPAT | OR | ON | 2004/10/28 18:55 |
| S24 4 | 17 | (inform\$4 with server with ((break near down) or fail\$5)) and (client with (message or indication) with ((break near down) or fail\$5) with server) | USPAT | OR | ON | 2004/10/28 18:53 |
| S24 5 | 1 | client adj7 (message or indication) adj7 ((break near down) or fail\$5) adj7 server | USPAT | OR | ON | 2004/10/28 18:55 |
| S24 6 | 7 | inform\$4 adj6 server adj6 ((break near down) or fail\$5) | USPAT | OR | ON | 2004/10/28 18:56 |
| S24 7 | 0 | "5948069".pn. and broadcast | USPAT | OR | ON | 2004/10/28 19:22 |
| S24 8 | 0 | "5948069".pn. and multicast | USPAT | OR | ON | 2004/10/28 19:22 |
| S24 9 | 195 | poll\$4 with ((smart or IC or memory or flash) near card) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/25 09:45 |
| S25 0 | 3 | poll\$4 with ((cpu) near card) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/25 09:43 |
| S25 1 | 5 | ("5109540" "5302947" "5471471" "5524007" "5628055").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/08/25 10:54 |
| S25 2 | 1 | ("6463095").URPN. | USPAT | OR | ON | 2005/08/25 10:54 |
| S25 3 | 2 | ("20040041029").PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/08/25 13:44 |
| S25 4 | 1 | S253 and poll\$4 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/08/25 13:44 |